METHODS AND SYSTEMS FOR MULTI-MODAL BROWSING AND IMPLEMENTATION OF A CONVERSATIONAL MARKUP LANGUAGE

Abstract of the Disclosure

A new application programming language is provided which is based on user interaction with any device which a user is employing to access any type of information. The new language is referred to herein as a "Conversational Markup Language (CML). In a preferred embodiment, CML is a high level XML based language for representing "dialogs" or "conversations" the user will have with any given computing device. For example, interaction may comprise, but is not limited to, visual based (text and graphical) user interaction and speech based user interaction. Such a language allows application authors to program applications using interaction-based elements referred to herein as "conversational gestures." The present invention also provides for various embodiments of a multimodal browser capable of supporting the features of CML in accordance with various modality specific representations, e.g., HTML based graphical user interface (GUI) browser, VoiceXML based speech browser, etc.

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